

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase

Product code :

15676851

Catalog # :

12530OP3OFP405TS-W40

Frame : 404/5TS  
Output : 125 HP  
Poles : 2  
Frequency : 50 Hz  
Rated voltage : 380 V  
Rated current : 162 A  
L. R. Amperes : 1053 A  
LRC : 6.5x(Code F)  
No load current : 29.0 A  
Rated speed : 2949 rpm  
Slip : 1.70 %  
Rated torque : 223 ft.lb  
Locked rotor torque : 240 %  
Breakdown torque : 200 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 12.0 sq.ft.lb  
Design : B

Locked rotor time : 43s (cold) 24s (hot)  
Temperature rise : 70 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +50°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP23  
Cooling method : IC01 - ODP  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 981 lb

Output	25%	50%	75%	100%
Efficiency (%)	93.3	93.0	93.6	93.6
	92.7	93.6	93.6	93.6
Power Factor	0.74	0.71	0.87	0.85
	0.68	0.84	0.88	0.90

Foundation loads  
Max. traction : 1305 lb  
Max. compression : 2287 lb

	Drive end	Non drive end
Bearing type	6314 C3	6212 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	4500 h	4500 h
Lubricant amount	27 g	13 g
Lubricant type	Mobil Polyrex EM	

Notes:

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	26/03/2024			

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Revision